

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/15/00
Date Received: 05/26/00
Project: Metro Self Monitor, PO# M64243
Date Extracted: 06/09/00
Date Analyzed: 06/12/00

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M64243 005131-01	0.51	0.18	0.29	<0.05
Method Blank	<0.05	<0.05	<0.05	<0.05

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Date of Report: 06/15/00

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Project: Metro Self Monitor, PO# M64243

QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 006010-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.22	0.21	5	0-20
Copper	mg/L (ppm)	0.05	0.05	0	0-20
Nickel	mg/L (ppm)	0.06	0.05	18	0-20
Zinc	mg/L (ppm)	<0.05	<0.05	nm	0-20

Laboratory Code: 006010-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	0.22	102	107	80-120	5
Copper	mg/L (ppm)	5	0.05	97	97	80-120	0
Nickel	mg/L (ppm)	10	0.05	93	100	80-120	7
Zinc	mg/L (ppm)	5	<0.05	91	106	80-120	15

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	103	104	80-120	1
Copper	mg/L (ppm)	5	102	103	80-120	1
Nickel	mg/L (ppm)	10	98	99	80-120	1
Zinc	mg/L (ppm)	5	96	99	80-120	3

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

KT 10 AI2
May 26, 2000
11:25 AM

005 131

SAMPLE CHAIN OF CUSTODY

Company ALASKAN Copper Works Contact Gerald A. Thompson
Address 628 Harbor
City, State, Zip Seattle WA 98134
Phone # 206-382-8379 FAX # 206-382-4309 Date 5/26/00

PURCHASE ORDER #

SAMPLERS (signature)

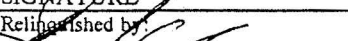
PROJECT LOCATION

REMARKS

SAMPLE DISPOSAL INFORMATION

<input type="checkbox"/> Dispose after 30 days <input checked="" type="checkbox"/> Return Samples <input type="checkbox"/> Call for Instructions
--

[illegible]

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: 	GERALD A. Thompson	AEW	5/26/00	10:24am
Received by: KRISHNATH	KRISHNATH AWAL	FBI	5/26/00	10:25am
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

June 15, 2000

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

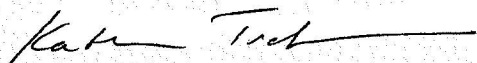
Dear Mr. Thompson:

Included are the results from the testing of material submitted on May 26, 2000 from your Metro Self Monitor, PO# M64243 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kate Trafton
Project Manager

Enclosures
ACU0615R.DOC

FRIEDMAN & BRUYA, INC.

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e-mail: fbi@isomedia.com

June 15, 2000

DUPLICATE COPY

INVOICE #00ACU0615-1

Accounts Payable
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M64243 - Results of testing requested by
Gerry Thompson for material submitted on May 26, 2000.

1 sample analyzed for Total Chromium, Copper, Nickel
and Zinc by Method 6010 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID (b) (6)